

ELECTRONIC TUBE REFERENCE

6BV7_AWV

Voltage Pentode or Tetrode (with diode) electronic tube

CONSOLIDATED TECHNICAL DATA
3 SECTIONS
CONSTRUCTION
DIODE-DIODE-PENTODE

Australian Radiotron dual-diode audio-output power pentode.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 800 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION0 Pentode	
PLATE RESISTANCE	100000 Ω
TRANSCONDUCTANCE	0.01 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	10 W
MAXIMUM SCREEN DISSIPATION	2 W
Class A audio power pentode; 180 V / 250 V operating points, 2 W / 4 W output. Shared cathode with both diode units.	

SECTION1 Diode	
No fixed ratings recorded.	
Detector diode; maximum plate current 1 mA; shares common cathode with pentode and other diode.	

SECTION2 Diode

No fixed ratings recorded.

Detector diode; maximum plate current 1 mA; shares common cathode with pentode and other diode.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1946 Amalgamated Wireless

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1946 AMALGAMATED WIRELESS

Section 0 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	Class A operating point: 250 V plate and screen; output 4 W
Plate Voltage	180 V	Class A operating point: 180 V plate and screen; output 2 W

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	6.3 V	Common heater voltage
Heater/filament current	800 mA	Common heater current